

## INFORMATION DISCLOSURE STATEMENT

FORM PTO-609 (modified)

ATTY DOCKET NO.  
2000\_1391SERIAL NO.  
09/680,177U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEAPPLICANT  
Mitsuaki OSHIMA et al.LIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)FILING DATE  
October 5, 2000GROUP  
2634

Date Submitted to PTO: April 11, 2005

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
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	AG						
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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	AJ							
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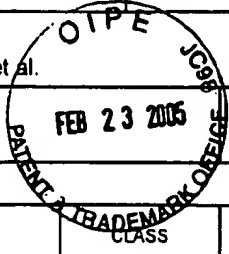
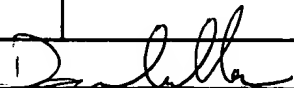
## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

DH	AO	J. A. C. Bingham, "Multicarrier Modulation for Data Transmission: An Idea Whose Time Has Come", IEEE Communications Magazine, Vol. 28, May 1990, pages 5-8 and 11-14
DH	AP	B. Hirosaki, "An Orthogonally Multiplexed QAM System Using the Discrete Fourier Transform", IEEE Transactions on Communications, Vol. Com-29, No. 7, July 1981, pages 982-989
DH	AQ	L. J. Cimini, Jr., "Analysis and Simulation of a Digital Mobile Channel Using Orthogonal Frequency Division Multiplexing", IEEE Transactions on Communications, Vol. Com-33, No. 7, July 1985, pages 665-675 and Annex

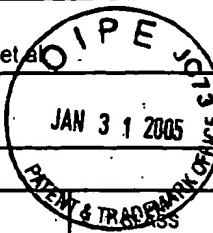
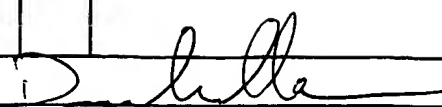
EXAMINER

DATE CONSIDERED

08/18/05

Sheet 1 of 1								INFORMATION DISCLOSURE STATEMENT							
FORM PTO 1449 (modified)				ATTY DOCKET NO. 2000_1391				SERIAL NO. 09/680,177							
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				APPLICANT Mitsuaki OSHIMA et al.											
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				FILING DATE October 5, 2000											
Date Submitted to PTO: February 23, 2005								GROUP 2634							
U.S. PATENT DOCUMENTS															
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE									
DH	AA	3,959,726	5-25-76	Hinoshta et al.	—	—	—								
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EXAMINER 				DATE CONSIDERED 08/17/05											

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include cop. this form with next communication to applicant.

Sheet 1 of 3								INFORMATION DISCLOSURE STATEMENT			
FORM PTO 1449 (modified)  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  LIST OF REFERENCES CITED BY APPLICANT(S) <i>(Use several sheets if necessary)</i>  Date Submitted to PTO: January 31, 2005					ATTY DOCKET NO. 2000_1391		SERIAL NO. 09/680,177				
					APPLICANT Mitsuaki OSHIMA et al.			<div style="text-align: center;">  </div>			
					FILING DATE October 5, 2000					GROUP 2634	
U.S. PATENT DOCUMENTS											
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE					
DH	AA	3,824,548	7-16-74	Sullivan et al.	—	—	—				
	AB	4,303,939	12-1-81	Stephens et al.	—	—	—				
	AC	4,303,941	12-1-81	Marti et al.	—	—	—				
	AD	4,309,726	1-5-82	Tanaka et al.	—	—	—				
	AE	4,535,352	8-85	Haskell	—	—	—				
	AF	4,564,858	1-14-86	Resch	—	—	—				
	AG	4,581,639	4-8-86	Judge	—	—	—				
	AH	4,769,819	9-6-88	Matsutani et al.	—	—	—				
DH	AI	4,794,447	12-27-88	Tsinberg	—	—	—				
FOREIGN PATENT DOCUMENTS											
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO					
DH	AJ	3-48587	3-1-91	Japan	—	—	abstract				
	AK										
	AL										
	AM										
	AN										
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)											
DH	AO	Masafumi SAITO et al., "Bit Error Rate Characteristics of OFDM in Multipath Environment", 1991									
DH	AP	Ryutaro OHMOTO et al., " $\pi/4$ -shift QPSK Subcarrier Transmission", 1991									
	AQ										
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
DH	AA	4,800,426	1-24-89	Glenn	—	—	—
	AB	4,817,192	3-28-89	Phillips et al.	—	—	—
	AC	5,007,088	4-9-91	Ooi et al.	—	—	—
	AD	5,029,003	7-91	Jonnalagadda	—	—	—
	AE	5,134,464	7-28-92	Basile et al.	—	—	—
	AF	5,181,112	1-19-93	Citta et al.	—	—	—
	AG	5,377,051	12-27-94	Lane et al.	—	—	—
	AH	5,400,084	3-21-95	Scarpa	—	—	—
DH	AI	5,576,902	11-19-96	Lane et al.	—	—	—

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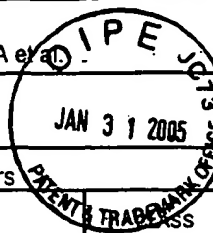
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DA	AA	5,598,220	1-97	Citta et al.	—	—	—
RA	AB	5,802,241	9-1-98	Oshima	—	—	—
	AC						
	AD						
	AE						
	AF						
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